

ABSTRACT OF THE DISCLOSURE

A communication device is disclosed which is comprised of: a transmitter for transmitting an ultra wide band wireless wave pulse; multiple
5 receivers which are disposed equidistant from the transmitter and receive the ultra wide band wireless wave pulse; and distance-measuring equipment which detects a distance or a direction to an object by measuring time intervals between the first reception
10 times when receivers receive the ultra wide band wireless wave pulse directly from the transmitter and the second reception times when the receivers receive a object-reflected wave of the ultra wide band wireless wave pulse.